

## CLAIMS

1. A spool for a fixed-spool fishing reel or spinning reel, comprising:

5 a) an annular spool body section having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

10 b) said spool being able to be separated into two parts at a connection position generally in between the flanges;

c) each of said parts having a first and a second end;

d) each of said parts having one of said flanges attached thereto when separated from each other;

15 f) a cavity inside the spool having a line attachment for attaching thereto a length of line to be wound on said spool body;

g) an opening in at least one of the body parts that communicates with said cavity;

20 h) said opening enabling an end of fishing line to pass into said cavity; and

i) said cavity having means to spatially separate said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling  
25 said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.

2. A spool for a fixed-spool fishing reel or spinning reel, comprising:

30 a) a spool body section in the shape of a truncated cone, having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

35 b) said first spool end suited for mounting on a spinning reel, said second spool end suited for the payout

of fishing line over its flange in a direction along the axis of said spool;

c) said spool body section in the shape of a truncated cone having its larger diameter adjacent to said first spool end, and its smaller diameter adjacent to said second spool end;

d) said spool being able to be separated into two parts at a connection position generally in between the flanges; and

e) each of said parts having one of said flanges attached thereto when separated from each other.

3. A spool for a fixed-spool fishing reel or spinning reel, comprising:

a) a spool body section in the shape of a cylinder, having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

b) said first spool end suited for mounting on a spinning reel, said second spool end suited for the payout of fishing line over its flange in a direction along the axis of said spool;

c) said spool being able to be separated into two parts at a connection position generally in between the flanges; and

d) each of said parts having one of said flanges attached thereto when separated from each other.

4. A spool for a fixed-spool or spinning reel as in claim 2, comprising:

a) a cavity inside said spool having a line attachment for attaching thereto a length of line to be wound on the spool body;

b) an opening in at least one of the body parts that communicates with said cavity;

c) said opening enabling an end of fishing line to pass into said cavity; and

d) said cavity having means to spatially separate said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.

5        5. A spool for a fixed-spool or spinning reel as in claim 3, comprising:

a) a cavity inside the spool having a line attachment for attaching thereto a length of line to be wound on the spool body;

b) an opening in at least one of the body parts that communicates with said cavity;

c) said opening enabling an end of fishing line to pass into said cavity;

d) said cavity having means to spatially separate said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.

6. A spinning reel and spool apparatus comprising:

a) a spinning reel body having means to mount a spool, and a mechanism for winding fishing line on said spool;

b) said spool comprising an annular spool body section having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

c) said spool being able to be separated into two parts at a connection position generally in between the flanges;

d) each of said parts having a first and a second end;

e) each of said parts having one of said flanges

attached thereto when separated from each other;

f) a cavity inside said spool having a line attachment for attaching thereto a length of line to be wound on the spool body;

5 g) an opening in at least one of the body parts that communicates with said cavity;

h) said opening enabling an end of fishing line to pass into said cavity; and

i) said cavity having means to spatially separate  
10 said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.

15 7. A spinning reel and spool apparatus comprising:

a) a spinning reel body having means to mount a spool, and a mechanism for winding fishing line on said spool;

b) said spool having a spool body section in the  
20 shape of a truncated cone, having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

c) said first spool end suited for mounting on said spinning reel body, said second spool end suited for the  
25 payout of fishing line over its flange in a direction along the axis of said spool;

d) said spool body section in the shape of a truncated cone having its larger diameter adjacent to said first spool end, and its smaller diameter adjacent to said  
30 second spool end;

e) said spool being able to be separated into two parts at a connection position generally in between the flanges; and

f) each of said parts having one of said flanges  
35 attached thereto when separated from each other.

8. A spinning reel and spool apparatus comprising:
- a) a spinning reel body having means to mount a spool, and a mechanism for winding fishing line on said spool;
  - 5        b) said spool comprising a spool body section in the shape of a cylinder, having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;
  - 10        c) said first spool end suited for mounting on said spinning reel body, said second spool end suited for the payout of fishing line over its flange in a direction along the axis of said spool;
  - 15        d) said spool being able to be separated into two parts at a connection position generally in between the flanges; and
  - e) each of said parts having one of said flanges attached thereto when separated from each other.
9. A spinning reel and spool apparatus as in claim 7, comprising:
- 20        a) a cavity inside said spool having a line attachment for attaching thereto a length of line to be wound on the spool body;
  - b) an opening in at least one of the body parts that communicates with said cavity;
  - 25        c) said opening enabling an end of fishing line to pass into said cavity; and
  - 30        d) said cavity having means to spatially separate said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.
10. A spinning reel and spool apparatus as in claim 8, comprising:
- 35        a) a cavity inside said spool having a line

attachment for attaching thereto a length of line to be wound on the spool body;

b) an opening in at least one of the body parts that communicates with said cavity;

5 c) said opening enabling an end of fishing line to pass into said cavity; and August 8, 2003

d) said cavity having means to spatially separate said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling  
10 said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.

11. A spool for a fixed-spool fishing reel or spinning reel, comprising:

15 a) a spool body having a first and a second spool end, the first spool end providing a first flange, the second spool end providing a second flange;

b) said spool being separable into two parts at a connection position generally in between the flanges;

20 c) each of said parts having a first and a second end;

d) each of said parts having one of said flanges attached thereto when separated from each other;

e) a cavity inside the spool having a line  
25 attachment for attaching thereto a length of line to be wound on said spool body said cavity communicating with each said spool part;

f) a line opening in at least one of the body parts that communicates with said cavity;

30 g) said line opening enabling an end of fishing line to pass into said cavity; and

h) one of said spool parts having a line anchor that extends into the cavity.

12. The spool of claim 11 wherein one of the spool  
35 parts has a hollowed open ended socket that defines at

least in part said cavity and the other spool has a projecting portion that occupies at least part of the open ended socket when the spool parts are connected together.

13. The spool of claim 11 wherein the line attachment  
5 is on the projecting portion.

14. The spool of claim 11 wherein the spool part with the projecting portion has an annular shoulder with a slot that defines said line opening.

15. The spool of claim 14 further comprising an  
10 annular space in between the annular shoulder and projecting part.

16. The spool of claim 12 wherein the projecting part has an outer surface that is configured for line to be wound thereupon.

17. A spool for a fixed-spool fishing reel or  
15 spinning reel, comprising:

a) a spool body having a first and a second spool end, the first spool end providing a first flange, the second spool end providing a second flange;

20 b) said spool being separable into two parts at a connection position generally in between the flanges;

c) each of said parts having a first and a second end;

25 d) each of said parts having one of said flanges attached thereto when separated from each other;

e) a cavity inside the spool having a line attachment for attaching thereto a length of line to be wound on said spool body said cavity communicating with each said spool part;

30 f) a line opening in at least one of the body parts that communicates with said cavity;

g) said line opening enabling an end of fishing line to pass into said cavity; and

35 h) one of said spool parts having a projecting portion that extends into the other spool part.

18. The spool of claim 17 wherein one of the spool parts has a hollowed open ended socket that defines at least in part said cavity and the other spool has a projecting portion that occupies at least part of the open ended socket when the spool parts are connected together.

19. The spool of claim 17 wherein the line attachment is on the projecting portion.

20. The spool of claim 17 wherein the spool part with the projecting portion has an annular shoulder with a slot that defines said line opening.

21. The spool of claim 20 further comprising an annular space in between the annular shoulder and projecting part.

22. The spool of claim 18 wherein the projecting part has an outer surface that is configured for line to be wound thereupon.

23. A spool for a fixed-spool fishing reel or spinning reel, comprising:

a) a fishing reel;  
b) a spool body having a section in the shape of a truncated cone, having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

c) said first spool end being configured to attach to said reel, said second spool end suited for the payout of fishing line over its flange in a direction along the axis of said spool;

d) said spool body section in the shape of a truncated cone having its larger diameter adjacent to said first spool end, and its smaller diameter adjacent to said second spool end;

e) said spool being able to be separated into two parts at a connection positioned generally in between the flanges; and

e) each of said parts having one of said flanges



attached thereto when separated from each other.

24. A spool for a fixed-spool fishing reel, comprising:

5 a) a spool body section in the shape of a cylinder, having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

10 b) said first spool end suited for mounting on a spinning reel, said second spool end suited for the payout of fishing line over its flange in a direction along the axis of said spool;

c) said spool being able to be separated into two parts at a connection position generally in between the flanges; and

15 d) each of said parts having one of said flanges attached thereto when separated from each other.

25. A spool for a fishing reel as in claim 2, further comprising:

20 a) a cavity inside said spool having a line attachment for attaching thereto a length of line to be wound on the spool body;

b) an opening in at least one of the body parts that communicates with said cavity;

25 c) said opening enabling an end of fishing line to pass into said cavity; and

30 d) said cavity having means to spatially separate said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.

26. A spool for a fixed-spool reel of claim 3, further comprising:

35 a) a cavity inside the spool having a line attachment for attaching thereto a length of line to be

wound on the spool body;

b) an opening in at least one of the body parts that communicates with said cavity;

5 c) said opening enabling an end of fishing line to pass into said cavity;

d) said cavity having means to spatially separate said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.

27. A spinning reel and spool apparatus comprising:

15 a) a spinning reel body having means to mount a spool, and a mechanism for winding fishing line on said spool;

b) said spool comprising an annular spool body section having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

20 c) said spool being able to be separated into two parts at a connection position generally in between the flanges;

d) each of said parts having a first and a second end;

25 e) each of said parts having one of said flanges attached thereto when separated from each other;

f) a cavity inside said spool having a line attachment for attaching thereto a length of line to be wound on the spool body;

30 g) an opening in at least one of the body parts that communicates with said cavity;

h) said opening enabling an end of fishing line to pass into said cavity; and

35 i) said cavity having means to spatially separate said end of fishing line from any parts of said spinning

reel upon which said spool is mounted, thereby enabling said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.

5           28. A spinning reel and spool apparatus comprising:

          a) a spinning reel body having means to mount a spool, and a mechanism for winding fishing line on said spool;

          b) said spool having a spool body section in the  
10 shape of a truncated cone, having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

          c) said first spool end suited for mounting on said spinning reel body, said second spool end suited for the  
15 payout of fishing line over its flange in a direction along the axis of said spool;

          d) said spool body section in the shape of a truncated cone having its larger diameter adjacent to said first spool end, and its smaller diameter adjacent to said  
20 second spool end;

          e) said spool being able to be separated into two parts at a connection position generally in between the flanges; and

          f) each of said parts having one of said flanges  
25 attached thereto when separated from each other.

          29. A spinning reel and spool apparatus comprising:

          a) a spinning reel body having means to mount a spool, and a mechanism for winding fishing line on said spool;

          b) said spool comprising a spool body section in the  
30 shape of a cylinder, having attached thereto a first and a second spool end, the first spool end forming a first flange, and the second spool end forming a second flange;

          c) said first spool end suited for mounting on said  
35 spinning reel body, said second spool end suited for the

payout of fishing line over its flange in a direction along the axis of said spool;

d) said spool being able to be separated into two parts at a connection position generally in between the  
5 flanges; and

e) each of said parts having one of said flanges attached thereto when separated from each other.

30. A spinning reel and spool apparatus as in claim 7, comprising:

10 a) a cavity inside said spool having a line attachment for attaching thereto a length of line to be wound on the spool body;

b) an opening in at least one of the body parts that communicates with said cavity;

15 c) said opening enabling an end of fishing line to pass into said cavity; and

d) said cavity having means to spatially separate said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling  
20 said spool to engage in rotational movements in relation to said spinning reel without interference by said end of fishing line.

31. A spinning reel and spool apparatus as in claim 8, comprising:

25 a) a cavity inside said spool having a line attachment for attaching thereto a length of line to be wound on the spool body;

b) an opening in at least one of the body parts that communicates with said cavity;

30 c) said opening enabling an end of fishing line to pass into said cavity; and August 8, 2003

d) said cavity having means to spatially separate said end of fishing line from any parts of said spinning reel upon which said spool is mounted, thereby enabling  
35 said spool to engage in rotational movements in relation to

said spinning reel without interference by said end of fishing line.